

	<b>American Energy Corporation Standard Operating Procedure:</b>  Handling of Enhanced Caustic Soda 25% Sodium Hydroxide Solution & Oxidizer Additives	Number:	MSHA-001
		Original/ Revised Date:	March 21, 2011
SOP Owner	Environmental Compliance	Approved:	

**Purpose:**

To educate and protect personnel who will be contacting and handling Enhanced Caustic Soda, which is classed as a hazardous chemical.

**Intended Audience:**

American Energy Corporation's management, surface employees and contractors.

**Background History and Illustrations:**

American Energy Corporation uses caustic soda to treat acidic water and maintain established water quality standards. To avoid potential harm, the following procedures must be followed when chemicals are in use.

**Implementation:**

**Always refer to the product Material Safety Data Sheet ("MSDS") for any questions or concerns regarding product information.** The MSDS is available at the main administration build at Century Mine. During annual refresher training or monthly staff meetings, Water Quality Management's front line managers will review first aid and handling practices with their crews.

Specifically in the standard operating practice; employees will wear all personal protective equipment ("P.P.E.") while handling this chemical due to the potential for bodily harm. P.P.E. will include but is not limited to: Chemical resistant gloves, Rubber boots, and Chemical safety glasses with face shield.

**First Aid** – The following first aid measures will be taken when necessary:

**Eye Contact** – Immediately flush eyes with large amounts of water for at least 15 minutes by using the portable eye wash station kept in the site vehicle at all times. Get prompt medical attention.

**Ingestion** – DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Get prompt medical attention.

**Skin Contact** – Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes or boots, after flushing has begun. Get prompt medical attention.

**Land Spill** – In the event of a land spill, prevent additional discharge, if possible without personal hazard. Recover through pumping or suitable absorbent, located at the 2,500 gallon feeder tanks, near the preparation plant.

**Storage and Handling** – DO NOT pressurize, cut, heat or weld containers. Store in a cool well ventilated area. Follow proper disposal procedures as outlined in the AEC container removal SOP.